Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/04/2017 10:13 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123820	-1	1.70	123641	1.69
Blue	F	SSC	125000	123217	-2	3.30	123389	3.14
Blue	E	FITC	23795	22801	-5	2.73	1018	10.29
Blue	D	PE	29673	28927	-3	2.31	1040	10.25
Blue	B	PerCP-Cy5-5	48943	47852	-3	3.67	1376	17.22
Blue	A	PE-Cy7	44112	43588	-2	5.44	666	36.18
Red	C	APC	54273	53169	-3	2.70	3056	9.38
Red	A	APC-Cy7	54945	53835	-3	2.73	1116	11.36
Violet	B	V450	15756	14858	-6	4.58	708	9.27
Violet	A	V500	62569	60253	-4	4.36	2674	6.90

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19230	3.21	610	-4	N/A	N/A	Pass
Blue	F	SSC	60872	1.67	546	0	N/A	N/A	Pass
Blue	E	FITC	113	40.12	546	-4	0.0212	226	Pass
Blue	D	PE	227	29.48	545	-1	0.1425	207	Pass
Blue	B	PerCP-Cy5-5	213	46.33	634	-5	0.0098	109	Pass
Blue	A	PE-Cy7	71	123.55	690	-9	0.0116	18	Pass
Red	C	APC	358	28.10	597	-3	0.0209	117	Pass
Red	A	APC-Cy7	121	39.92	574	-10	0.0053	1175	Pass
Violet	B	V450	88	41.70	468	-4	0.0475	2004	Pass
Violet	A	V500	194	21.78	496	-3	0.0133	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.84	-31.27	0.92
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.33
Red	18.75	13.27 - 19.91	N/A	N/A	31.19	31.66	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9572

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments